

Date: Tuesday, 12/08/2008 11:27:30 AM  
User: Linda Lacelle

# Process Sheet

Customer	: CU-DAR001 Dart Helicopters Services	Drawing Name	: BASKET QUICK REALEASE 350/355
Job Number	: 41172		
Estimate Number	: 10241		
P.O. Number	:	Part Number	: DSI 9052011
This Issue	: 12/08/2008 S.O. No. :	Drawing Number	: DSI 9052 REV D
Prsht Rev.	: NC	Project Number	: N/A
First Issue	: / / Type : PURCHASED PARTS	Drawing Revision	: D
Previous Run	: 39680	Material	:
Written By	:	Due Date	: 19/08/2008 Qty: 10 Um: Each
Checked & Approved By	[Signature] 08.8.12		
Comment	: Est Rev:A 02.05.15 New Issue NG		

Additional Product

Job Number: [Barcode]

Seq. #:	Machine Or Operation:	Description :
1.0	DC	DOCUMENT CONTROL

Comment: DOCUMENT CONTROL  
Photocopy bluefile & type labels per PPP 9052-011 CHG001 [Signature]

2.0	PACKAGING 1	PACKAGING RESOURCE #1
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Comment: PACKAGING RESOURCE #1  
Pick Packing Kit

3.0	BLRS010	Pip Pin
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Comment: Qty.: 4.0000 Each(s)/Unit Total : 40.0000 Each(s)  
Pick: [Signature]  
Qty Part Number Description Batch  
4 BLRS-010 Quick Release Pin (1" grip) M108721 8/8/13 SP

4.0	QC4	INSPECT 100% KITS FOR COMPLETENESS
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Comment: INSPECT 100% KITS FOR COMPLETENESS [Signature]

5.0	PACKAGING 1	PACKAGING RESOURCE #1
-----	-------------	-----------------------

Comment: PACKAGING RESOURCE #1  
Identify and pack for shipping as per PPP D9052-011  
Location 20 Rev A 8/8/13 SP

**Dart Aerospace Ltd**

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

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Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: BASKET QUICK REALEASE 350/355

Job Number: 41172

Part Number: DSI 9052011

Job Number:



Seq. #:

Machine Or Operation:

Description :

6.0

QC21

FINAL INSPECTION/W/O RELEASE



(8)

Comment: FINAL INSPECTION/W/O RELEASE

2008/12/08/14

Job Completion



u 08-08-14

**Dart Aerospace Ltd**

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

**DART**

DESIGN #	DRAWN BY #	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
CHECKED #	APPROVED #	DRAWING NO. DSI 9052	REV. D SHEET 1 OF 1
DATE 04.03.23		TITLE QUICK PIN REPLACEMENT	SCALE NTS
A	96.11.04	NEW ISSUE	
B	96.11.13	ADD PART NUMBERS	
C	03.12.11	ADD DSI 9052-013	
D	04.03.23	ADD CLAMPS ONLY NOTE	

## **DART SERVICE INSTRUCTION**

**TO AMEND INSTALLATION INSTRUCTIONS D350-607 REV. F**  
(REF. CANADIAN STC: SH94-14, REF. FAA STC: SR00213NY)  
**AND TO AMEND INSTALLATION DRAWING D350-602 REV. D**  
(REF. CANADIAN STC: SH93-97, REF. FAA STC: SR01144NY)

**PURPOSE: TO ALLOW SUBSTITUTION OF THE BASKET/POD ATTACHMENT BOLTS WITH QUICK RELEASE PINS**

THE AN4-12A & AN4-16A BOLTS USED ON D2230-1 CLAMPS MAY BE REPLACED WITH STAINLESS STEEL POSITIVE LOCKING QUICK RELEASE PINS WITH A MINIMUM DOUBLE SHEAR STRENGTH OF 2400 LBS AND 0.25 INCH DIAMETER.

BOLT	MIN GRIP	POSSIBLE QUICK RELEASE PIN REPLACEMENT
AN4-12A	1.0"	AVIBANK: BLC4B10S, BLC4TA10S, BLC4R10S, BLC4LA10S MS NUMBER: MS17984C410, MS17985C410, MS17986C410, MS17987C410 REID: BLRS-010, BLBS-010
AN4-16A	1.3"	AVIBANK: BLC4B13S, BLC4TA13S, BLC4R13S, BLC4LA13S MS NUMBER: MS17984C413, MS17985C413, MS17986C413, MS17987C413 REID: BLRS-020, BLBS-020

THE FOLLOWING OPTIONAL KITS ARE AVAILABLE FROM DART TO PROVIDE QUICK RELEASE CAPABILITY:

QTY -011	QTY -013	PART NUMBER	DESCRIPTION
X		DSI 9052-011	QUICK RELEASE KIT, FOR D350-607-041/-043/-045/-047
	X	DSI 9052-013	QUICK RELEASE KIT, FOR D350-602-011
4	1	BLRS-010	QUICK RELEASE PIN (1" GRIP)
	3	BLRS-020	QUICK RELEASE PIN (1.5" GRIP)

SHOP COPY  
RETURN TO  
ENGINEERING

UNCONTROLLED COPY  
SUBJECT TO AMENDMENT

IT IS ACCEPTABLE TO LEAVE THE D2230-1/-3 CLAMPS INSTALLED ON THE CROSSTUBES WHEN THE BASKET OR POD IS REMOVED.  
WEIGHT & BALANCE, FOR CLAMPS ONLY, IS 1.8lb (0.82kg) @ STA 135in (3.43m) & BL ±36in (±0.91m) NO. 41172

CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-O-01

APPROVED

BY: D. Shepherd  
D. SHEPHERD (DE # 02)

DATE: 04.03.23  
CERT. NO.: SH94-14  
ISSUE NO.: 4

CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-O-01

APPROVED

BY: D. Shepherd  
D. SHEPHERD (DE # 02)

DATE: 04.03.23  
CERT. NO.: SH93-97  
ISSUE NO.: 3

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## Process Sheet

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 Prsht Rev. : NC Part Number : DSI 9052011  
 First Issue : // Type : PURCHASED PARTS Drawing Number : DSI 9052 REV D  
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 Checked & Approved By : JUD 08.8.12  
 Comment : Est Rev:A 02.05.15 New Issue NG

## Additional Product

REFERENCE ONLY

Job Number:



Seq. #: Machine Or Operation: Description :

1.0 DC DOCUMENT CONTROL



JUD 08.8.13



Comment: DOCUMENT CONTROL

Photocopy bluefile &amp; type labels per PPP 9052-011 CHG001

2.0 PACKAGING 1 PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Pick Packing Kit

3.0 BLRS010 Pip Pin



Comment: Qty.: 4.0000 Each(s)/Unit Total : 40.0000 Each(s)

Pick:

Qty	Part Number	Description	Batch
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4.0 QC4 INSPECT 100% KITS FOR COMPLETENESS



Comment: INSPECT 100% KITS FOR COMPLETENESS

5.0 PACKAGING 1 PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and pack for shipping as per PPP D9052-011

Location: \_\_\_\_\_